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Form 1449 (Modified)		Atty Docket No.:	Application No.:
		IMM142	09/974,759
Information Disclosure Statement By Applicant		Applicant:	S. Rank
(Use Several Sheets if Necessary)		Filing Date:	Group:
		10/9/01	Unassigned

U.S. Patent Documents

Examiner Initial	Patent No.	Date	Patentee	Class	Sub-Class	Filing Date
PAB	4,937,685	6/26/90	Barker et al.			
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Examiner: Paul Bell	Date Considered: 12/6/2002
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Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449 (Modified) <i>APR 29 2002</i> Information Disclosure Statement By Applicant <i>TRADEMARK OFFICE</i> <i>MAILED</i> <i>Technology Co.</i>	Atty Docket No.: IMM142	Application No.: 09/974,759
Applicant: S. Rank		
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(Use Several Sheets if Necessary)		

Foreign Patent or Published Foreign Patent Application

Other Documents

Examiner Initial	Author, Title, Date, Place (e.g. Journal) of Publication
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PQB	MacLean, K. et al., "An Architecture for Haptic Control of Media," Proc. of ASME Dynamic Systems and Control Division, Haptic Interfaces for Virtual Environments and Teleoperator Systems, 1999, pp. 1-10.
PQB	O'Modhrain, M., "Playing by Feel: Incorporating Haptic Feedback into Computer-Based Musical Instruments," Dissertation, Dept. of Music, Stanford University, November 2000, pp. 1-107.

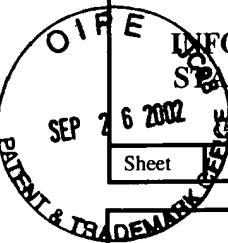
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Date Considered: 12/6/2002

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>Use as many sheets as necessary</small>				Application Number	09/974,759
				Filing Date	October 09, 2001
				First Named Inventor	Stephen D. Rank
				Group Art Unit	2673
				Examiner Name	Unassigned
Sheet	1	of	3	Attorney Docket Number	IMMR-003/00US Technology Center 2600



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Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
PAB	A1	5,785,630		Bobick, et al.	07/28/1998
PAB	A2	5,766,016		Sinclair et al.	06/16/1998
PAB	A3	5,547,382		Yamasaki et al.	08/20/1996
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		Office ³	Number ⁴	Kind Code ⁵ (if known)			
PAW	B1		0 349 086	A1	Stork Kwant B.V.	01/03/1990	
PAW	B2						

¹ Unique citation designation number.² See attached Kinds of U.S. Patent Documents.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO			Complete if Known		RECEIVED
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	09/974,759	
			Filing Date	October 09, 2001	S F P 3 0 2002
			First Named Inventor	Stephen D. Rank	
			Group Art Unit	2673	Technology Center 2600
			Examiner Name	Unassigned	
Sheet	2	3	Attorney Docket Number	IMMR-003/00US	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
PCB	C1	Baigrie, "Electric Control Loading - A Low Cost, High Performance Alternative," <i>Proceedings of Interservice/Industry Training Systems Conference</i> , pp. 247-254, November 6-8, 1990			
PCB	C2	Iwata, "Pen-based Haptic Virtual Environment," 0-7803-1363-1/93 IEEE, pp. 287-292, 1993			
PCB	C3	Russo, "The Design and Implementation of a Three Degree of Freedom Force Output Joystick," <i>MIT Libraries Archives</i> pp. 1-131, May 1990, archived 8/14/90			
PCB	C4	Brooks et al., "Hand Controllers for Teleoperation - A State-of-the-Art Technology Survey and Evaluation," <i>JPL Publication 85-11</i> , NASA-CR-175890; N85-28559, pp. 1-84, 03/1/1985			
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PCB	C15	Kontarinis et al., "Display of High-Frequency Tactile Information to Teleoperators," <i>Telemanipulator Technology and Space Telerobotics</i> , Won S. Kim, Editor, Proc. SPIE Vol. 2057, pp. 40-50, Sep. 7-9, 1993			
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PCB	C17	Adelstein, "A Virtual Environment System For The Study of Human Arm Tremor," <i>Ph.D. Dissertation</i> , Dept. of Mechanical Engineering, MIT, June 1989, archived 3/13/90			
PCB	C18	Bejczy, "Sensors, Controls, and Man-Machine Interface for Advanced Teleoperation," <i>Science</i> , Vol. 208, No. 4450, pp. 1327-1335, 1980			
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PCB	C20	McAffee et al., "Teleoperator Subsystem/Telerobot Demonstrator: Force Reflecting Hand Controller Equipment Manual," <i>JPL 1988</i> , JPL D-5172			
PCB	C21	Minsky, "Computational Haptics: The Sandpaper System for Synthesizing Texture for a Force-Feedback Display," <i>Ph.D. Dissertation</i> , MIT, June 1995, archived 7/6/95			
PCB	C22	Jacobsen et al., "High-Performance, Dextrous Telerobotic Manipulator With Force Reflection," <i>Intervention/ROV '91 Conference & Exposition</i> , Hollywood, Florida, May 21-23, 1991			
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PCB	C25	Terry et al., "Tactile Feedback In A Computer Mouse," <i>Proceedings of Fourteenth Annual Northeast Bioengineering Conference, University of New Hampshire</i> , March 10-11, 1988			
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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/974,759
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				First Named Inventor	Stephen D. Rank
				Group Art Unit	2673
				Examiner Name	Unassigned
				Attorney Docket Number	IMMR-003/00US

<i>PLB</i>	C28	Rabinowitz et al., "Multidimensional tactile displays: Identification of vibratory intensity, frequency, and contractor area," <i>Journal of The Acoustical Society of America</i> , Vol. 82, No. 4, October 1987	
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<i>PLB</i>	C32	Marcus, "Touch Feedback in Surgery," <i>Proceedings of Virtual Reality and Medicine The Cutting Edge</i> , Sep. 8-11, 1994	
<i>PLB</i>	C33	Bejczy, et al., "Universal Computer Control System (UCCS) For Space Telerobots," CH2413-3/87/0000/0318501.00 1987 IEEE, 1987	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

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